Embryo Transfer Technology for Cattle

3123. DR. YELAMANCHILI SIVAJI : Will the Minister of AGRICULTURE be pleased to state :

(a) what are the recent developments in Embryo Transfer Technology for cattle;

(b) what are the improvement made so far; and

(c) the details of the research which are going on ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI S. KRISHNA KUMAR) :

(a) Sir, In cattle, the superovulatory responses and embryo transfer technology have been standardized for producing more than one calf from genetically superior elite donor cows in a year's time at NDRI, Karnai and IV RI, Izatnagar.

(b) Upto 10 calves have been produced from single donor elite female in a year's time and 4-6 calves produced from among other high merit animals in a year's time. Twins have been produced, and also calves produced from in-vitro fertilized oocytes.

(c) Studies are in progress *on* in-vitro maturation and in-vitro fertilization micro-manipulations and sexing of gametes and embroys.

Research Projects of ICAR

3124. OR. YELAMANCHILI SIVAJI : Will the Minister of AGRICULTURE be pleased to state :

fa) the number of research projects sponsored by Indian Council of Agricultural Research;

(b) since how long they are pending; and

(c) the details thereof State-wise ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI S. KRISHNA KUMAR) : (a) Sir, The Indian Council of Agricultural Research has sponsored 444 projects.

(b) The time taken for sanction/approval of the Projects normally varies from six months to *one year* period.

(c) The information is given in the statement attached.

Statement

The number of Projects Pending State-wise is given below :

Sl. No.	Name of the state	No. of schemes pending
1.	Assam	6
2.	Andhra Pradesh	9
3.	Bihar	14
4.	U P. (Uttar Pradesh)	23
5.	Delhi	10
6.	Gujarat	1
7.	H. P	12
8.	Karnaiaka	24
9.	J & K (Jammu & Kashmir)	2
10.	Kerala	16
11.	Maharashtra	39
12.	M.P. (Madhya Pradesh)	9
13.	Orissa	14
14.	Punjab	19
15.	Rajasthan]	7
16.	West Bengal]	13
17.	Tamil Nadu]	18
18.	Haryana	11

3125 *[Transferred to 8th March,* 1993]

Economic Cooperation with Iran

3126. SHRI SUSH1L KUMAR SAMBHAJIRAO SHINDE :

SHRI MATANG SING :

Will the Minister of AGRICULTURE b*e* pleased to state :

(a) whether a high .level delegation has recently visited Iran to identify and nejo-'late terms of economic cooperation be-tVeen the two countries in Animal Husbandry, fisheries and other sector;

(b) if so. what are details in this regard Alongwith the status of deliberations; and

(c) the features of the pact finalised signer recently?